

TABLE 57. Statistical profile of postgraduation plans of doctorate recipients in life sciences fields, by sex and field of study: 2013

Characteristic	All life sciences fields	Agricultural sciences and natural resources	Biological, biomedical sciences	Health sciences
All doctorate recipients (number) <sup>a</sup>	12,305	1,329	8,471	2,505
Postgraduation status (number) <sup>b</sup>				
Definite postgraduation study	3,994	327	3,253	414
Definite employment	2,225	361	965	899
Seeking employment or study	3,937	435	2,751	751
Other <sup>c</sup>	765	26	652	87
Definite postgraduation study (%) <sup>d</sup>				
Postdoc fellowship	56.6	37.9	57.1	67.4
Postdoc research associateship	40.3	59.6	39.7	29.5
Other or unknown <sup>e</sup>	3.1	2.4	3.2	3.1
Definite employment (%) <sup>f</sup>				
Academe	47.3	42.4	41.3	55.7
Government	12.9	18.0	10.7	13.1
Industry or business <sup>g</sup>	27.9	30.7	38.0	15.9
Nonprofit organization	9.1	7.8	5.9	13.1
Other or unknown <sup>h</sup>	2.8	1.1	4.0	2.1
Primary activity <sup>i</sup>				
R&D	43.5	54.6	49.2	33.3
Teaching	28.4	20.1	23.9	36.3
Management or administration	12.6	12.7	9.2	16.1
Professional services	13.0	9.7	14.6	12.7
Other	2.5	2.9	3.1	1.6
Secondary activity <sup>j</sup>				
R&D	27.2	23.9	21.7	34.3
Teaching	12.5	13.3	8.3	16.6
Management or administration	18.2	22.7	18.6	15.9
Professional services	9.9	10.3	10.1	9.4
Other	0.9	0.9	0.8	1.1
No secondary activity	31.4	28.9	40.5	22.8
Activity unknown	6.5	6.1	7.7	5.3
Postgraduation location (%) <sup>j</sup>				
United States <sup>k</sup>	91.0	84.2	91.7	92.4
New England	9.3	4.1	10.6	8.2
Middle Atlantic	12.5	7.1	12.9	13.9
East North Central	11.2	13.2	10.1	13.5
West North Central	6.7	12.9	6.0	5.7
South Atlantic	18.4	15.1	17.7	22.2
East South Central	3.7	4.9	3.1	5.2
West South Central	7.0	6.7	7.1	6.9
Mountain	4.7	5.7	4.7	4.3
Pacific and insular	17.2	14.4	19.3	12.2
Not in United States	8.8	15.8	8.2	7.4
Location unknown	0.1	0.0	0.1	0.2
Male doctorate recipients (number)	5,495	705	3,981	809
Postgraduation status (number) <sup>b</sup>				
Definite postgraduation study	1,912	172	1,596	144
Definite employment	916	201	436	279
Seeking employment or study	1,676	227	1,221	228
Other <sup>c</sup>	367	8	324	35
Definite postgraduation study (%) <sup>d</sup>				
Postdoc fellowship	55.1	34.3	56.2	67.4

TABLE 57. Statistical profile of postgraduation plans of doctorate recipients in life sciences fields, by sex and field of study: 2013

Characteristic	All life sciences fields	Agricultural sciences and natural resources	Biological, biomedical sciences	Health sciences
Postdoc research associateship	42.2	63.4	40.9	31.3
Other or unknown <sup>e</sup>	2.8	2.3	2.9	1.4
Definite employment (%) <sup>f</sup>				
Academe	41.4	43.8	36.0	48.0
Government	13.2	16.4	9.6	16.5
Industry or business <sup>g</sup>	35.3	30.3	45.6	22.6
Nonprofit organization	7.5	8.5	5.5	10.0
Other or unknown <sup>h</sup>	2.6	1.0	3.2	2.9
Primary activity <sup>i</sup>				
R&D	51.5	55.4	55.8	42.1
Teaching	21.7	19.4	19.5	26.8
Management or administration	12.1	15.6	8.7	14.6
Professional services	12.4	7.5	13.4	14.6
Other	2.3	2.2	2.6	2.0
Secondary activity <sup>j</sup>				
R&D	25.2	27.4	20.6	30.7
Teaching	11.9	12.9	8.0	17.3
Management or administration	19.8	22.6	19.5	18.1
Professional services	10.7	10.8	12.3	8.3
Other	1.1	1.6	0.5	1.6
No secondary activity	31.2	24.7	39.1	24.0
Activity unknown	9.5	7.5	10.8	9.0
Postgraduation location (%) <sup>k</sup>				
United States <sup>k</sup>	89.8	82.0	91.0	91.0
New England	9.6	4.6	10.8	8.3
Middle Atlantic	11.7	4.8	12.6	13.5
East North Central	10.4	11.8	9.9	11.1
West North Central	7.6	14.2	6.6	6.4
South Atlantic	17.4	13.7	16.7	23.6
East South Central	3.6	5.4	3.2	4.0
West South Central	6.8	7.5	6.6	7.1
Mountain	4.7	6.4	4.3	5.2
Pacific and insular	17.5	13.7	19.5	11.3
Not in United States	10.1	18.0	9.0	8.7
Location unknown	0.1	0.0	*	0.2
Female doctorate recipients (number)	6,807	624	4,487	1,696
Postgraduation status (number) <sup>b</sup>				
Definite postgraduation study	2,082	155	1,657	270
Definite employment	1,309	160	529	620
Seeking employment or study	2,261	208	1,530	523
Other <sup>c</sup>	398	18	328	52
Definite postgraduation study (%) <sup>d</sup>				
Postdoc fellowship	58.0	41.9	57.9	67.4
Postdoc research associateship	38.6	55.5	38.7	28.5
Other or unknown <sup>e</sup>	3.4	2.6	3.4	4.1
Definite employment (%) <sup>f</sup>				
Academe	51.5	40.6	45.7	59.2
Government	12.6	20.0	11.5	11.6
Industry or business <sup>g</sup>	22.8	31.3	31.8	12.9
Nonprofit organization	10.2	6.9	6.2	14.5
Other or unknown <sup>h</sup>	2.9	1.3	4.7	1.8

TABLE 57. Statistical profile of postgraduation plans of doctorate recipients in life sciences fields, by sex and field of study: 2013

Characteristic	All life sciences fields	Agricultural sciences and natural resources	Biological, biomedical sciences	Health sciences
<b>Primary activity<sup>j</sup></b>				
R&D	38.3	53.6	44.0	29.5
Teaching	32.7	20.9	27.3	40.4
Management or administration	12.9	9.2	9.6	16.8
Professional services	13.4	12.4	15.5	11.9
Other	2.6	3.9	3.6	1.5
<b>Secondary activity<sup>j</sup></b>				
R&D	28.5	19.6	22.5	35.8
Teaching	12.9	13.7	8.6	16.2
Management or administration	17.1	22.9	17.9	14.9
Professional services	9.3	9.8	8.4	9.9
Other	0.8	0.0	1.0	0.8
No secondary activity	31.5	34.0	41.6	22.3
Activity unknown	4.4	4.4	5.1	3.7
<b>Postgraduation location (%)<sup>j</sup></b>				
United States <sup>k</sup>	92.0	86.7	92.4	93.0
New England	9.1	3.5	10.3	8.2
Middle Atlantic	13.1	9.8	13.2	14.0
East North Central	11.9	14.9	10.3	14.6
West North Central	5.9	11.4	5.3	5.4
South Atlantic	19.3	16.8	18.7	21.6
East South Central	3.8	4.4	2.9	5.7
West South Central	7.1	5.7	7.5	6.7
Mountain	4.7	4.8	5.0	3.8
Pacific and insular	17.0	15.2	19.0	12.6
Not in United States	7.8	13.3	7.4	6.7
Location unknown	0.2	0.0	0.2	0.2

\* = value < 0.05%.

<sup>a</sup> Includes respondents who did not report sex.

<sup>b</sup> Includes only respondents who responded to postgraduation status.

<sup>c</sup> Includes respondents who indicated that they did not plan to work or study, respondents who indicated some other type of postgraduation plans, and respondents who indicated definite plans for other full-time degree program.

<sup>d</sup> Excludes respondents who indicated plans for other full-time degree program. Percentages based on number of doctorate recipients reporting definite postgraduation plans for study.

<sup>e</sup> "Other" includes respondents who indicated definite postgraduation study plans for traineeship, internship or clinical residency, or other study.

<sup>f</sup> Percentages based on number of doctorate recipients reporting definite postgraduation plans for employment.

<sup>g</sup> Includes doctorate recipients who indicated self-employment.

<sup>h</sup> "Other" is mainly composed of elementary and secondary schools.

<sup>i</sup> Percentages based on number of doctorate recipients reporting definite postgraduation plans for employment and primary work activity.

<sup>j</sup> Percentages based on number of doctorate recipients reporting definite postgraduation plans and type of plans.

<sup>k</sup> Includes cases with an unknown U.S region of employment after doctorate: see technical notes for states or territories included in regions.

NOTES: Due to rounding, percentages may not sum to 100. See table A-6 in the technical notes for a listing of major fields and their constituent subfields.

SOURCE: NSF, NIH, USED, USDA, NEH, NASA, Survey of Earned Doctorates, 2013.